



Communication Equipment Shelters and Fiber Optic Communication Lines within Existing Railroad Right-of-Ways

## **RIGHT-OF-WAY (ROW)** Communication Shelter Sites

Turnkey Communication Shelters located at Railroad Right-of-Ways. Site preparation; excavation and foundation construction; setting of a new precast modular building which includes interior and exterior finishes, mechanical units, electrical distribution and devices, lighting, controls and security systems, doors and hardware; electrical service entrance; site fencing; site utility connections; and other work as described in the Documents.

Each of the turnkey ROW projects consisted of the production and installation of a new RCS 1236, 12 foot by 36 foot, fully-outfitted Communication Shelter, added to a line of shelters.

Upgrades to the commercial power system, installation of a new generator, and reworking the fence.

- CL - Alexandria, VA
- CL - Baxter Springs, KS
- CL - Bentonville, AR
- CL - Corsicana, TX
- CL - Dayton, TX
- CL - Fontana, KS
- CL - Front Royal, VA
- CL - Ft. Worth, TX
- CL - Kosse, TX
- CL - Mocksville, NC
- CL - North Little Rock, AR
- CL - Savannah, GA
- CL - Sharpsburg, MD - Shelter Only
- CL - Shippensburg, PA - Shelter Only
- CL - Stroud, OK
- CL - West Memphis, AR

### **Owner**

CenturyLink

CenturyLink is the third largest telecommunications company in the United States and is recognized as a leader in the network services market by technology industry analyst firms. The Company is a global leader in cloud infrastructure and hosted IT solutions for enterprise customers.

CenturyLink provides data, voice and managed services in local, national and select international markets through its high-quality advanced fiber optic network and multiple data centers for businesses and consumers. CenturyLink is an S&P 500 company and is included among the Fortune 500 list of America's largest corporations.



**SCOPE OF WORK**

**Precast Structure**

- Structural Engineering
- Detailed Engineering drawings
- 5000 psi concrete
- Precast Concrete Box Culverts

Amount & Size: 4,300 feet - some 5' x 5' and some 6' x 5' to match the hydraulics of the canal



**OLDCASTLE INFRASTRUCTURE PRODUCTS USED**

RCS 1236 and RCS 11836 Pre-engineered precast concrete building to shelter fiber optic communication equipment.



**BUILDING SPECIFICATIONS**

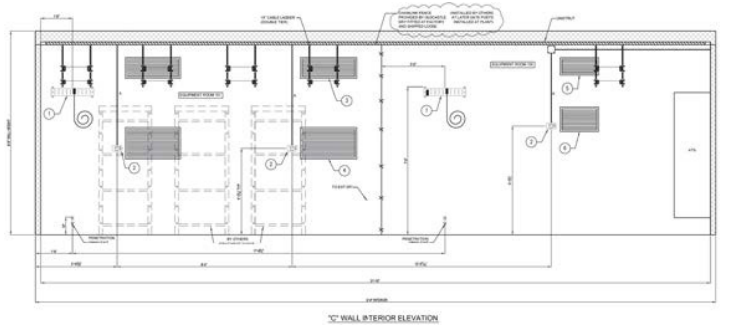
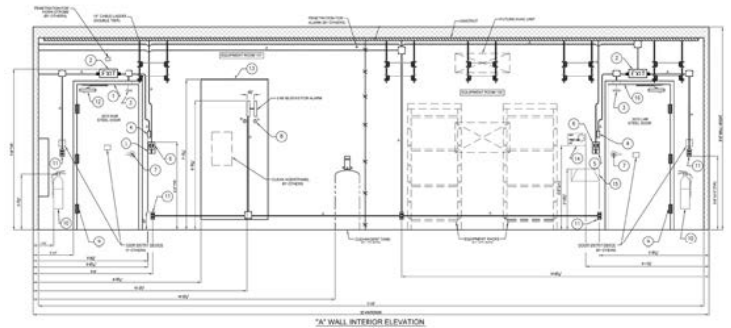
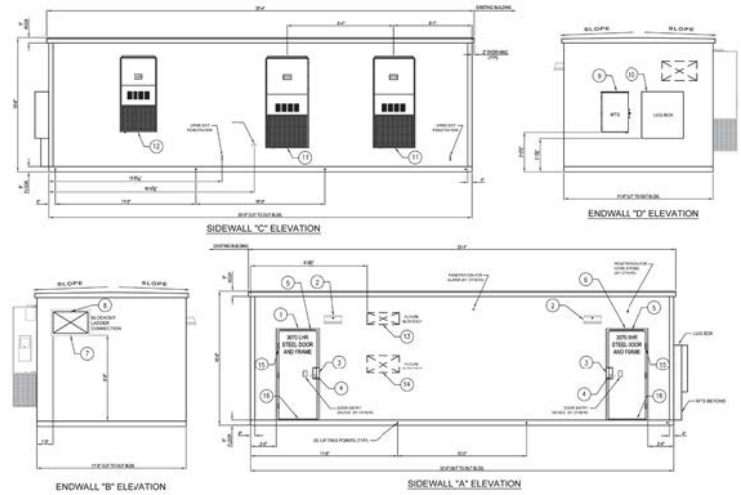
Oldcastle Model:	RCS1236 or RCS 11836
Building Description:	Concrete Precast Building
RCS1236 Dim (Exterior):	36'0" Long x 12'0" Wide x 12'6" High
RCS1236 Dim (Interior):	35'0" Long x 11'0" Wide x 11'2" High
RCS 11836 Dim (Exterior):	36'0" Long x 11'8" Wide x 10'2" High
RCS 11836 Dim (Interior):	35'0" Long x 10'6" Wide x 9'-0"High
Weight:	95,000-LBS Total
Floor Loading:	300-LBS./PSF/Battery area - 800 PSF
Roof Dead Load:	43.1 LBS / PSF
Roof Live Load:	60 LBS / PSF
Wind Speed:	110 MPH (When secured to proper foundation)
Floor Thickness:	6"
Roof Thickness:	5-6"
Wall Thickness:	4"
Concrete Specification:	5000 PSI Light Weight
Fire Rating:	Two Hour Equivalent
Seismic Acceleration:	Standard Design 50% g (IBC and ASCE7)
Bullet Resistance:	UL752, Level 4 (.30-06 at 15 Ft.); Doors Level 3



**The dual nature of Oldcastle Precast as a construction services firm and a shelter manufacturer provides its staff unique capabilities to provide effective pre-construction, construction and field repairs and/or maintenance services.**

**You can depend on the name and quality of Oldcastle Shelter Solutions Group**

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## About Oldcastle Infrastructure

Oldcastle Infrastructure, A CRH Company, is the leading provider of building materials, products and services for infrastructure projects to several market sectors nationwide, including: Building Structures, Communications, Energy, Transportation and Water.

## For More Information Contact:

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